

PROJECT DESCRIPTION

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THIS PROJECT INVOLVES THE INSTALLATION OF VIDEO DETECTION CAMERAS AND NON-INVASIVE LOOP DETECTORS AT THE INTERSECTION OF MD 53 (WINCHESTER ROAD) AND BRADDOCK SQUARE SHOPPING CENTER FOR THE RESURFACING OF MD 53 IN LAYALE, ALLEGANY COUNTY. MD 53 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION SHALL OPERATE AT ITS EXISTING NEMA ~~THREE~~^{FOUR}-PHASE FULL TRAFFIC ACTUATED MODE.

THE SIGNAL SHALL BE INTERCONNECTED TO THE NORTHBOUND AND SOUTHBOUND MD 53/US 40 ALT SIGNALIZED INTERSECTION TO THE NORTH AND THE NORTHBOUND AND SOUTHBOUND MD 53/MD 658 SIGNALIZED INTERSECTION TO THE SOUTH.

CONTROLLER REQUIREMENTS

INSTALL A VIDEO DETECTOR SYSTEM INTO EXISTING BASE MOUNTED CABINET.

THE PRESENCE AND SAMPLING DETECTION REGIONS SHALL BE MONITORED/ACTUATED WITH VIDEO-DETECTION CAMERAS. THE ADVANCED DETECTION REGIONS SHALL BE MONITORED/ACTUATED WITH NON-INVASIVE LOOP DETECTORS.

PROJECT CONTACTS

CONTACTS FOR DISTRICT 6

MR. GEORGE SMALL
ASSISTANT DISTRICT ENGINEER,
TRAFFIC
301-729-8444

MR. GEORGE FRANKENBURY
ASSISTANT DISTRICT ENGINEER,
MAINTENANCE
301-729-8457

MR. BOB ROWAN
UTILITIES ENGINEER
301-301-729-8439

CONTACTS FOR OFFICE OF
TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
CHIEF, SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
CHIEF, SIGN OPERATIONS
410-787-7676

MR. MIKE STOCKER
SIGNAL SHOP WAREHOUSE
410-787-7696

EQUIPMENT LIST 'A'

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

SPECIFICATION NUMBER	QUANTITY	DESCRIPTION
900000	1 EA	VIDEO INTERFACE EQUIPMENT (1 TO 4 CAMERAS)

EQUIPMENT LIST 'B'

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

SPECIFICATION NUMBER	QUANTITY	DESCRIPTION
585416	90 LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
802145	2 EA	ADJUST EXISTING HANDHOLE
805150	80 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED
810605	4 EA	NON-INVASIVE DETECTOR, 1000 FT LEAD IN CABLE
811001	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813006	8 SF	RELOCATE SIGNS FROM OVERHEAD STRUCTURES
813015	15 SF	INSTALL OVERHEAD SIGN
816001	3 EA	VIDEO DETECTION CAMERA
816005	3 EA	CONTROL CABLE, 250 FT, VIDEO DETECTION CAMERA TO CONTROLLER

EQUIPMENT LIST 'C'

NONE

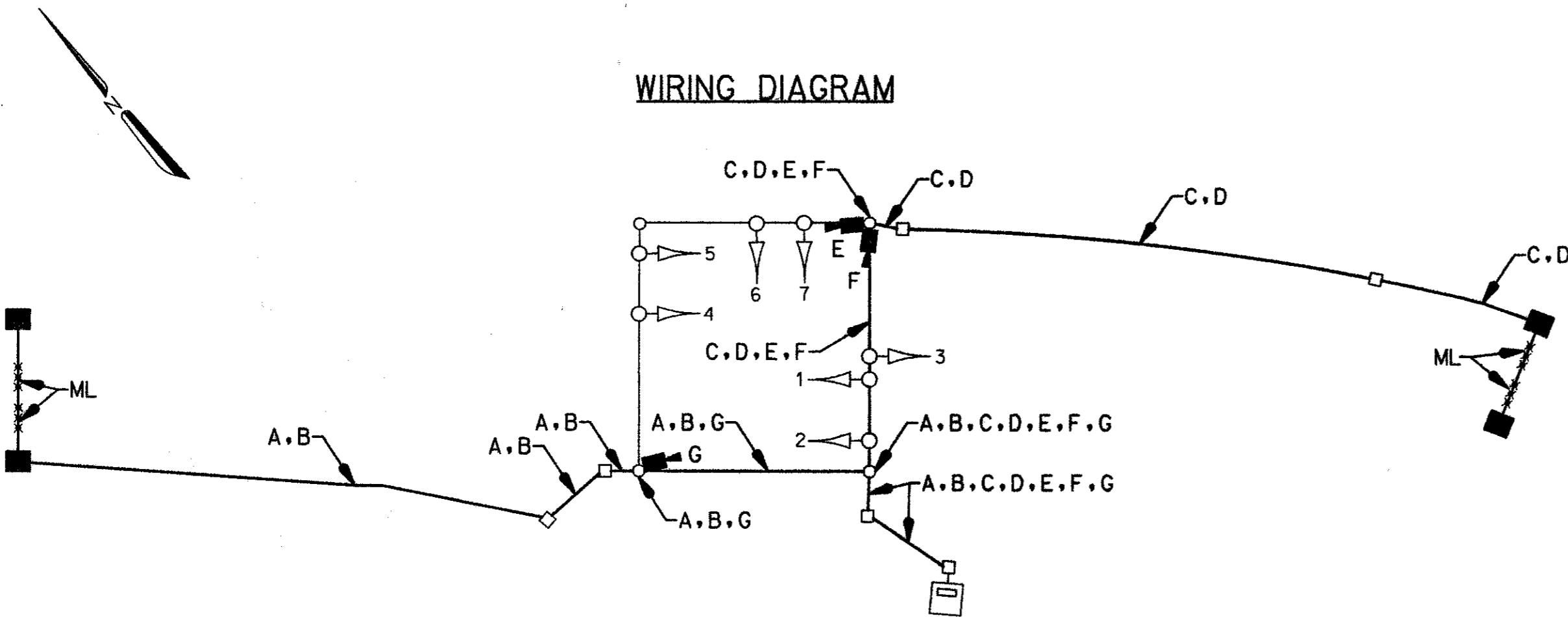
EQUIPMENT LIST 'D'

NONE

PHASE CHART

	1	2	3	4	5	6	7	
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	
Phase 2 & 5	R	R	←G-G	←G-G	G	R	R	←
5 change	R	R	←Y-Y	←Y-Y	Y	R	R	↓
Phase 2 & 6	G	G	G	G	G	R	R	←
2 & 6 change	Y	Y	Y	Y	Y	R	R	←
Phase 4	R	R	R	R	R	G	G	←
4 change	R	R	R	R	R	Y	Y	←
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	←

WIRING DIAGRAM



WIRING KEY

- A.B.C.D NON-INVASIVE DETECTOR LEAD IN CABLE
E.F.G VIDEO DETECTION LEAD IN CABLE
ML NON-INVASIVE MICRO-LOOP

SG-02

REVISION A CONSULTANT



WALLACE, MONTGOMERY
& ASSOCIATES, LLP

CIVIL AND STRUCTURAL ENGINEERS
110 West Road
Suite 300
Towson, Maryland 21204



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 53 (WINCHESTER RD) & BRADDOCK SQ
GENERAL INFORMATION

DRAWN BY: J. Dimdortier
CHECKED BY: J. Dimdortier
SCALE: 1"=20'
DATE: July 26, 1993

F.A.P. NO. NA
S.H.A. NO. BW-599-902-612
COUNTY: ALLEGANY
LOG MILE:

TS NO. 3948 A
T.I.M.S. NO. G187

SHEET NO. 21 OF 37